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Data obtained from Western technical literature are presented.

(Materials--Ceramics, TT, v. 10, no. 10)

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(Materials--Rubber, TT, v. 9, no. 9)

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Kühlelemente für direkte Energieumwandlung auf Grund von Halbleitersystemen

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Order from TIB 51.10

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DESCRIPTORS: *Circuits, *Ignition.

(Engineering--Electrical, TT, v. 9, no. 6)

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SETOC (NY-3996)

Fifteen Years of Medium and High-Voltage Equipment in the CKD, by Antonin Mares, 15 pp.
FOR OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol XLIX, No 2, 1960, Prague, pp 83-91.

JPRS 5139

EEur - Czechoslovakia

Econ - Manufacturing

Aug 60

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

Investigation of Technical Utilization of Plasma, by T. Kugler.
CZECH, per, Elektrotechnicky Obzor, Vol 49, No 3, 1960, pp 153-158.
NTC-71-11756-20I

FTD-TT-62-890 - 19pp 9678841

Feb 72

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

Measurement of the Flow Resistance of a Duct With Multiple Contraction of Its Cross Section, by Vaclav Dvorak, Joseph Hak, et al, 9 pp. CZECH, per, Elektrotechnicky Obzor, Vol XLIX, No 4, 1960, pp 169-173. 9220776
AEC-Tr-6306

Sci-Electr
May 64

257,172

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

Water Models for Investigation of the Flow of the Cooling Gas in Large Electric Machines, by K. Limbora, L. Plochao,

CZECH, per, Elektotechnicky Obzor, Vol. XLIX, No 5, 1960, pp 260-267.

CSIRO

Sci - Electricity
Jun 62

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

Vales, Jaroslav, Kopecek, Jan, and Hrbek, Bohumil. ANALOGUE OF A VHV TRANSFORMER WITH PACKED INSULATION AND ITS TESTING (Model Transformátor VVN s Balenou Izolaci a jeho Zkoušení). [1963] 23p. (foreign text included) 8 refs.
Order from SLA $2.60 63-16703

Trans. of Elektrotechnicky Obzor (Czechoslovakia) 1960, v. 49, no. 7, p. 350-355.

DESCRIPTORS: *Power transformers, Design, Tests, Electric discharges, *Electric insulation.

For the verification of the insulation and short-circuit safety of transformers of the prepared additional extensive Czechoslovak power system, the Lenin Works in Plzen have constructed the model of a high-voltage transformer with solid insulation (oil impregnated paper) which in its size corresponds to a type perform- (Engineering--Electrical, TT, v. 10, no. 7) (over)

63-16703

I. Vales, J.
II. Kopecek, J.
III. Hrbek, B.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

The Radical Contraction of Low-Pressure Area in Mercury Vapor, by Albert Kloss, 18 pp.

CZECH, per, Elektrotechnicky Casor, Vol XLIX, No 7, 1960, pp 367-372. 9675849

FTD-TT-61-92

Sci - Electron

19 Mar 62

188, 286

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

(DC-485)

Heavy-Current Electrical Equipment Exhibited at Brno Fair, by Richard Mihula, 6 pp.
OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol XLIX, No 9, 1960, pp 465-470.

JPRS 6738

EEur - Czechoslovakia

141,124

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

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(DC-4053)

Czechoslovak Electrical Machinery at the Brno ~~EE~~ Fair, by Mikulan Markov, 5 pp. OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol XLIX, No 9, 1960, pp 470-474.

JPRS 6738

EEur - Czechoslovakia

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44, 125

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(DC-W65/3)
5

On The Occasion of a Distinguished Anniversary, by Karel Kvet, 6 pp. OFFICIAL USE ONLY

CZECH. per. Electrotechnicky Obzor, Vol XLIX, No 10, 1960, pp 497-499.

JPRS 8935
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171,207

EEur - Czechoslovakia
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

(DC-5965)

New Results in the Field of High-Output Semi-
XXXXX conductor Rectifiers in the CSSR, by
Albert Kloss, Milan Rubat, 6 pp. OFFICIAL
USE ONLY
C
CZECH, per, Elektrotechnicky Obzor, Vol XLIX,
No 11, 1960, pp 554-556.

JPRS 10619

Sci - Electricity
Nov 61

174326

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

(DC-5965)

Interesting Foreign Exhibits of Heavy Current Engineering at the Second International Fair at Brno, by Vladimir Hrbek, 6 pp. OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol XLIX, No 12, 1960, pp T-71, T-80.

JPRS 11429

H KEur - Czechoslovakia 179.255
Econ
Jan 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

(50-3-62)

MHD Vsetin and Its Products, by Vaclav Sykora;
8 pp. OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Obzor; Vol XLIX,
No 12, 1960, pp 617-619.

JPRS 11[illegible]

Elmar - Czechoslovakia
[illegible]n
Jan 62

179,253

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

(DC-5965)

Rotary Medium-Frequency Converters, by Zdenek Frejtlich, ~~XXXXXXX~~ Rudolf Laas, Karel Sramek, et al, 8 pp. OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Kl Obzor, ~~XXXXXX~~ Vol XLIX, No 12, 1960, pp 620-622.

JPRS 11429

~~XXXX~~ EEur - Czechoslovakia
Econ
Jan 62

179, 254

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

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Liquid Metal Pump, by Hanka. UNCL

CZECH, per, Elektrotechnicky Obzor, Vol L, No 1, 1961, pp 33-44.

*ATIC MCL-1343/1

Sci - Engr
1 Aug 61
28-7-569

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

Veverka, Antonin.
CORONA IN DIELECTRICS (Korona v Dielektriku).
[1963] [29]p. (foreign text included) 4 refs.
Order from SLA $2.60 63-16705

Trans. of Elektrotechnicky Obzor (Czechoslovakia)
1961, v. 50, no. 1, p. 85-90.

DESCRIPTORS: *Electric insulation, *Dielectrics, *Electrical corona, Transformers, Electric potential, Coils.

In the first part of his paper the author analyzes the conditions at a single discharge in the cavity of the dielectric of an object which we may consider a concentrated capacitance. For this purpose, an ideal model is employed. On an example it is shown how the results may be applied to power considerations at an alternating voltage. From the power balance on the model, for which holds $C_1 < C_2 \ll C_3$, follows that at
(Physics--Electricity, TT, v. 10, no. 8) (over)

63-16705

I. Veverka, A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

Veverka, Antonin.
CONTRIBUTION TO THE METHOD OF MEASURING IONIZATION IN TRANSFORMERS (Prispevek k Metodice Mereni Ionizace v Transformatorech). [1963] [20]p. (foreign text included) 4 refs.
Order from SLA $1.60 63-14928

Trans. of Elektrotechnicky Obzor (Czechoslovakia) 1961, v. 50, no. 4, p. 192-196.

DESCRIPTORS: Transformers, *Electric insulation, *Ionization, Electric bridges, Electric discharges, Power, Measurement.

It is shown how an appropriate adaptation of a nigh-voltage bridge permits separating in the diagonal of the balanced bridge the current pulses and the subsequent oscillations from the total current flowing into the object, even if the voltage of the source is not
(Engineering--Electrical, TT, v. 10, no. 4) (over)

63-14928

1. Veverka, A.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

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Fajt, V.
A NEW MODIFICATION OF A COMPENSATING PERMEAMETER. [1962] 7p.
Order from ATS $11.95 ATS-34P59C

Trans. of Elektrotech[nicky] Obzor (Czechoslovakia) 1961, v. 50, no. 6, p. 332-335.

DESCRIPTORS: *Permeameters, Design, Magnetism.

(Physics--Magnetism, TT, v. 7, no. 11)

62-12783

I. Fajt, V.
II. ATS-34P59C
III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

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Tech (DC-5965)

Testing of the Insulating Systems of the Winding of Electric Rotary Machines, Especially of Large Outputs, by Bohuslav Cervenka, 16 pp. GOVERNMENT USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol L, No 8, 1961, pp T 35-T 40.

JPRS 12700

Sci - Electricity
Mar 62

183,538

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

(DC-5965)

Determination of the Resistance of Insulating Substances to Discharges, by Jan Artbauer, 4 pp. GOVERNMENT USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol L, No 8, 1961, pp 409-412.

JPRS 12700

Sci - Electricity
Mar 62

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(DC-5965)

Experiences With Complex Ageing of Model Coils Under Subtropical Conditions in China, by L'udovit Kolar, 15 pp. GOVERNMENT USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol L, No 8, 1961, pp 433-439.

JPRS 12700

Sci - Electricity Electronics
Mar 62

183,537

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(DC-5965)

Social Mission of the Czech Technical High School (CVUT) in the Third Five-Year Plan, by Frantisek Brabec, 6 pp. OFFICIAL USE ONLY

CESKE, per, Elektrotechnicky Obzor, Vol L, No 9, 1961, pp 465-467.

JPRS 11365

Ethr - Czechoslovakia
Econ
Feb 62

184,515

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(DC-5965)

Czechoslovak Activist Conference on Substitution of Aluminum for Copper in Electric Equipment for the Sake of the National Economy, 28 pp. OFFICIAL USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol L, No 9, 1961, pp 495-503.

JPRS 12965

Khar - Czechoslovakia
Econ
Feb 62

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(DC-5965)

Significance of Hydroenergetics in the Electrical System of the CSSR, by Vaclav Rehak, 8 pp.
GOVERNMENT USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol L, No 10, 1961, pp 521-523.

JPRS 12892

EEur - Czechoslovakia
Econ
Mar 62

189,587

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

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(DC-5965)

Perspective in the Construction of Multipurpose Hydro-Energetic Works in the CSSR, by Jaroslav Michalec, 9 pp. GOVERNMENT USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol L, No 10, 1961, pp 523-526.

JPRS 12989

USSR - Czech
Econ
Mar 62

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(DC-65965)

Development Trends in the Construction of Hydro-Alternators, by Jan Kellner, 3 pp. GOVERNMENT USE ONLY

CZECH, per, Elektrotechnicky Obzor, Vol L, No 10, 1961, pp 545, 546.

JPRS 12989

187,585

Eur - Czech
Econ
Mar 62

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(DC-5965)

Development of Hydro-Alternators in CKD, by Bretislav Benda, 7 pp. GOVERNMENT USE ONLY

CZECH, par, Elektrotechnicky Obzor, Vol L, No 10, 1961, pp 552-558.

JPRS 14989

EEur - Czech
Econ
Mar 62

187, 717

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(DC-5965)

THE STATUS AND DEVELOPMENT OF OREINTED TRANS-
FORMER SHEETS IN CSSR, BY KAREL HYBEK,
7 PP. GOVERNMENT USE ONLY
CZEC

CZECH, PER, ELECTROTECHNICKY OBZOR, VOL L,
NO 12, 1961, PP 676-680.

JPRS 13973
13964

SCI - ELECTRON

JUN 62

197,717

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

DC-5965)

STRONG CURRENT ELECTRONICS AT THE THIRD INTERNATIONAL TRADE FAIR IN BRNO, BY MIKULAS MARKOV, 4 PP. GOVERNMENT USE ONLY

CZECH, PER, ELECTROTECHNICKY OBZOR, VOL L, NO 12, DEC 1961, PP 687-691.

JPRS 13973

SCI - ELECTRON

JUN 62 197,718

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

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(DC-5965)

CONSTRUCTION AND PUTTING INTO OPERATION OF THE FIRST PRAGUE NETWORK SYSTEM OF 380/220 VOLTS, BY STEPAN MATENAN, 12 PP. GOVERNMENT USE ONLY.

CZECH, PER, VOL LI, NO 4, 1961, PP 145-150
ELEKTROTECHNICKY OBZOR
JPRS 13904

EEUR - CZECH
ECON OVER-ALL
SCI - ELECT
JUN 62

197,421

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

Performance of Ceramic Insulating Materials for Electrical Installations in Tropical Climates, by J. [redacted]Mazanec, J. Hamersky.

[redacted], per, Elektrotechnicky Obzor, Vol LI, No 1, 1962, pp 17-22.

GB/125/IB 2066

Sci-Engr

Aug 63

341,972

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

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Corona Effects due to Overvoltage Surge Waves in Transmission Lines, by D. Kohoutova.

Czech per, Elektrotechnicky Obzor, Vol LI, No 4, 1962 pp 168-172.

NZDIA

Sci-Engr
Aug 63

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

(NY-10)

BIOGRAPHIC DATAON PROFESSOR JAROSLAV KUCERA, ENGINEER AND DOCTOR OF TECHNICAL SCIENCES, BY JOSEF HAMPL, 5 PP.

GOVERNMENT USE ONLY

CZECH, PER, ELEKTROTECHNICKY OBZOR, VOL LI, NO 5, 1962, P 256.

JPRS 14227

EEUR - CZECH
BIOG
JUN 62

201,514

~~201,254~~

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

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(SF-2000)

THE 85TH BIRTHDAY OF PROF VLADIMIR LIST, BY JAN OSOLSOBE, 8 PP.

CZECH, PER, ELEKTROTECHNICKY OBZOR, VOL LI, NO 6, 1962, PP 258-260.

JPRS 15155

EEER -
[redacted] - CZECH
BIOG
SEP 62

210,107

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

Single-Phase Electromagnetic Conduction Pump for Liquid Metals, by Z. Ledr, 11 pp.
GOVERNMENT USE ONLY

Czech
[illegible], per, Electrotechnicky Obzor, Vol LI, No 7, 1962, pp 324-328.

JPRS 16313

Sci - Electronics, Engr

Nov 62

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

NATIONAL CONFERENCE OF NEW TRENDS IN POWER-SUPPLY AND COMMUNICATION CABLES, BY VACLAV VETROVEC, 4 PP.

GOVERNMENT USE ONLY

CZECH, PER, ELEKTROTECHNICKY OBZOR, VOL L1, NO 8, 1962, P 430.

JPRS 15489

EEUR - CZECH
ECON
OCT 62

213,469

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

Problems of the Technology of High-Output A. C. Electric Motors, by Milan Krampner, 13 pp.

CZECH, per, Elektrotechnicky Obzor, Vol LI, No 9, 1962, pp 464-470.

JPRS 16358

EEur - Czech
Econ
Nov 62

217,767

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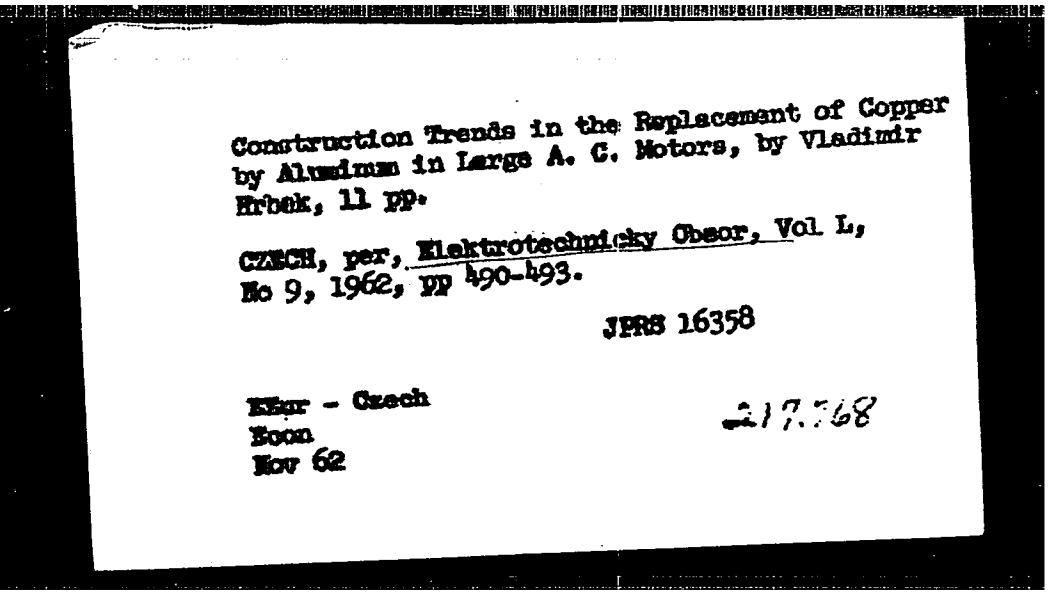

Construction Trends in the Replacement of Copper by Aluminum in Large A. C. Motors, by Vladimir Hrbek, 11 pp.

CZECH, per, Elektrotechnicky Obsor, Vol L, No 9, 1962, pp 490-493.

JPRS 16358

Expr - Czech
Econ
Nov 62

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TT-65-12303 Field 9C

Soukup, J.
FIRST PRACTICAL RESULATS WITH AN RLC SYNTHESIZER. 16p, 9refs.
Order from SLA: $1.60 as TT-65-12303

Trans. of Elektrotechnicky Obzor (Czechoslovakia)
v51 n8 p401-6 1962.

I. Soukup, J.

MR 630

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

DEVELOPMENT OF LOW OIL CONTENT CIRCUIT BREAKER,
BY ANTONIN MARES, 9 PP.
GOVERNMENT USE ONLY
CZECH, PER, ELECTROTECHNICKY OBZOR, VOL LI,
NO 10, 1962, PP 509-512.

JPRS 16622

EEUR - CZECH
ECON
DEC 62

218,313

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

NEW SERIES OF CONTROL DYNAMOS AND MOTORS OF THE CKD IN PRAGUE, BY ZDENEK CEROVSKY, VLADIMIR MRAZ, ET AL, 8 PP. GOVERNMENT USE ONLY

CZECH, PER, ELEKTROTECHNICKY OBZOR, VOL LI, NO 10, 1962, PP 519-525.

JPRS 16622

EEUR - CZECH
ECON
DEC 62

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000401170017-7

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Certain Properties of Silicon Rectifier Valves in Pulsed Operation, by Bohumil Pima, 18 pp.
CZECH, per, Elektrotechnicky Obzor,
Vol LI, No 12, 1962, pp 634-639.
9696020

Sci - Phys
Apr 65

277,847

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